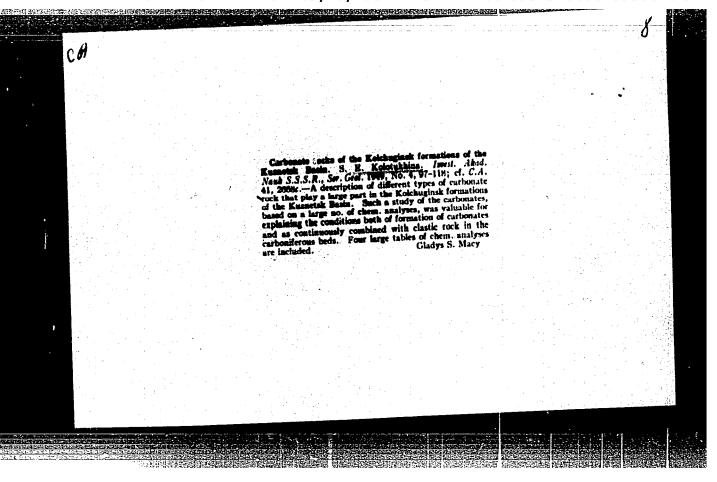


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"Alluvial Genesis of Thick Sandstones of the Middle Carboniferous in the North Outskirts of the Donbass," S. Ye Kolotukhina

"Iz Ak Nauk SSSR, Ser Geol" No 1, pp 75-88

Describes lithologically the sandstones of the coal-bearing layers of the Donbass' Middle Carmoniferous. Makes a comparison with contemporary sediments and gives the basic genetic indications on the basis of which the author concludes the alluvial genesis of these formations.

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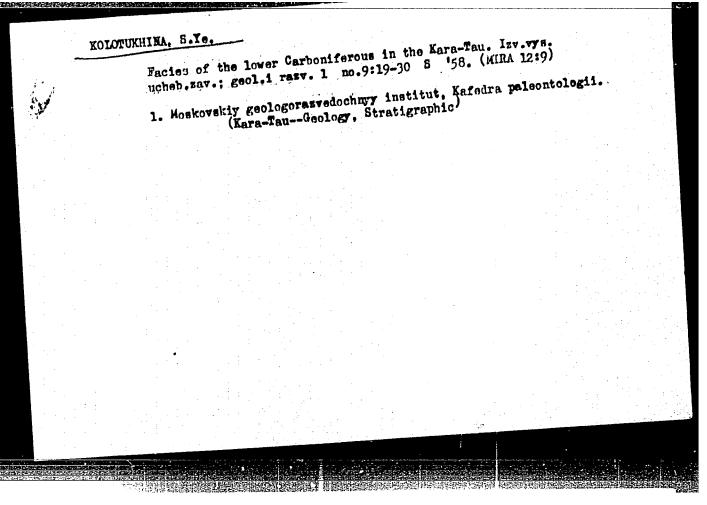
KOLOTUKHINA, S. Ye.

"Facies of the Lower-Carboniferous System in the Karatau"

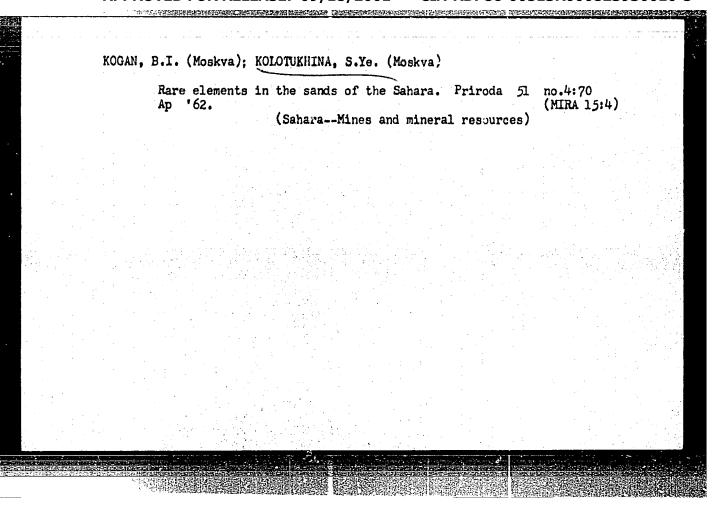
report delivered in the Geologic Section, 1 March-4 June 1957.

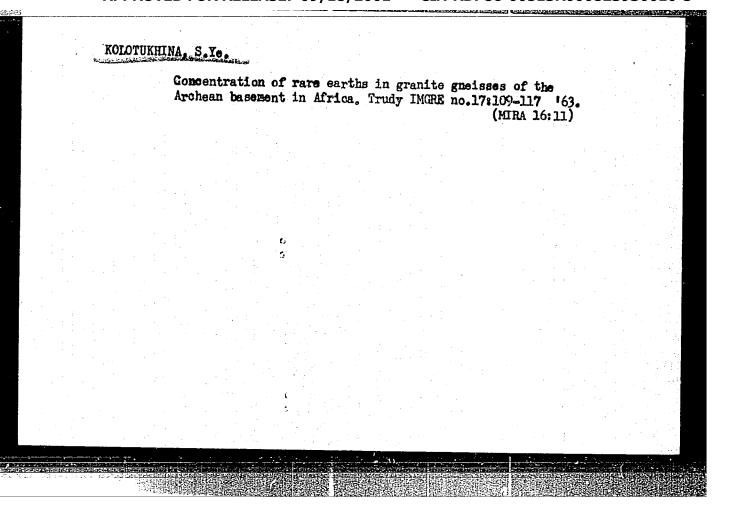
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ROZE'NETS, Anna Vsevolodovna; MURATOV, M.V., retsenzent;
KROFOTKIN, P.N., retsenzent; VLASOV, K.A., glav. red.;
LEONT'YEV, L.N., doktor geol.-miner. nauk, otv. red.

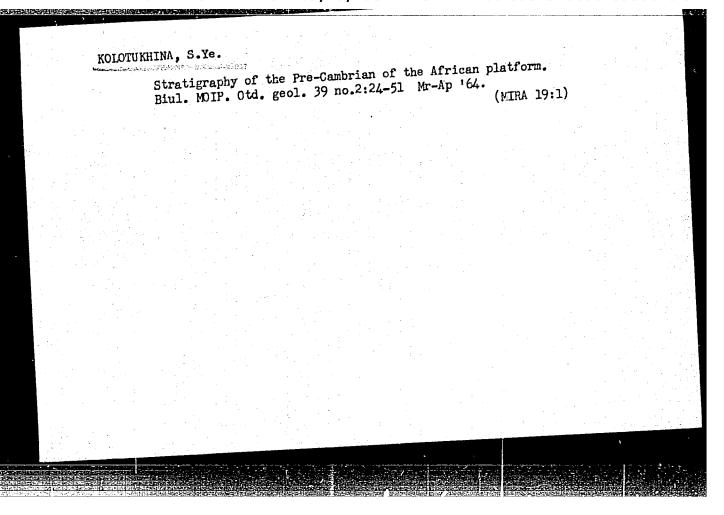
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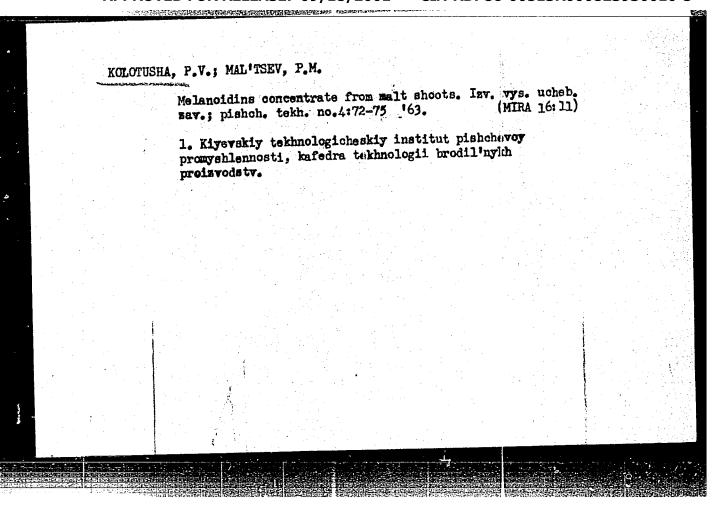
(MIRA 17:4)

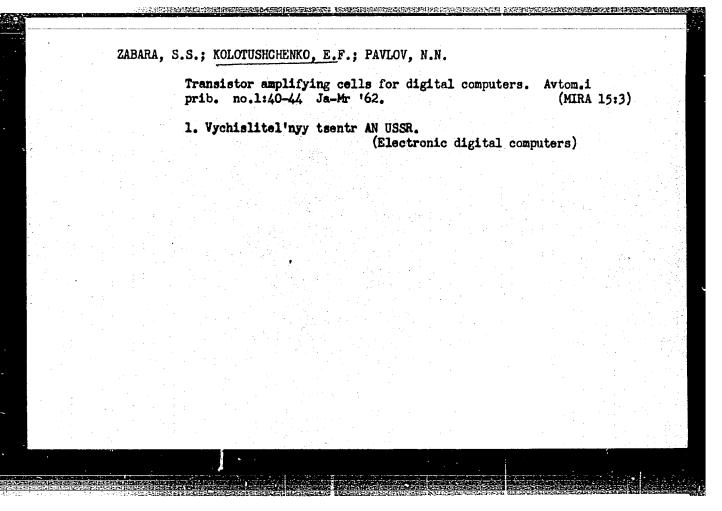
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(Brewing) (Melanoids)





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(Khabarovsk—Distributive education)
(Retail trade)

ANTONOV, V.Ya., kand.tekhn.nauk; BEZZUBOV, N.D., kand.tekhn.nauk; BELCKO17TOV, I.Ye., kand.sel'skokhoz.nauk; BLYUMENBERG, V.V., kand.tekhn.
nauk; BOGDAHOV, N.W., kand.tekhn.nauk; BRAGIN, N.A., inzh.; VASIL'YEV.
Yu.K., inzh.; VIHOGRADOV, V.A., inzh.; ROZENBERG, B.I., inzh.; GORGIDZHAHYAH, S.A., kand.tekhn.nauk; ZIZA, A.A., kand.sel'skokhoz.nauk;
KALABUKHOV, M.V., agronom-meliorator; KOLOTUSHKIN, V.I., inzh.; KORCHUHOV, S.S., kand.tekhn.nauk; KRYUKOV, M.N., dotsent; VAVULO, V.A., inzh.;
NAUNOV, D.K., kand.tekhn.nauk; OLENIN, A.S., inzh.; PROVORKIN, A.S.,
inzh.; PROKHOROV, N.I., dotsent; RASKIN, G.I., inzh.; SAVENKO, I.V.,
inzh.; SERGEYEV, B.F., kand.tekhn.nauk; STOYLIK, M.A., inzh.; SUKHAHOV, M.A., inzh.; TOFOL'NITSKIY, N.M., kand.tekhn.nauk; TYUREMNOV, S.N.,
doktor biol.nauk, prof.; FATCHIKHINA, O.Ye., kand.sel'skokhoz.nauk;
TSVETKOV, B.I., inzh.; CHUBAROV, N.D., inzh.; MANDEL BAUM, A.I., insh.;
(Continued on next card)

ANTONOV, V.Ia.——(continued) Card 2.

YARTSEV, A.K.; SAMSONOV, N.W., inzh., glavnyy red.; BERSHADSKIY,
L.S., inzh., nauchnyy red.; VARENTSOV, V.S., kand.tekhn.nauk, nauchnyy red.; GO.

RINSHTEIN, L.L., kand.tekhn.nauk, nauchnyy red.; GORYACHKIN, V.G.,

prof., nauchnyy red.; YEFIMOV, P.N., kand.tekhn.nauk, nauchnyy red.;

KUZHMAN, G.I., kand.tekhn.nauk, nauchnyy red.; KULAKOV, N.W., kand.

tekhn.nauk, nauchnyy red.; KUTAIS, L.I., prof., doktor tekhn.nauk,
nauchnyy red.; MIRKIN, M.A., inzh., nauchnyy red.; SEMENSKIY, Ye.P.,

kand.tekhn.nauk, nauchnyy red.; SOKOLOV, A.A., kand.tekhn.nauk,
nauchnyy red.; KHAZANOV, Ya.N., dotsent, nauchnyy red.; KHALUGO,
SETEYNBOK, G.D., inzh., nauchnyy red.; KOLOTUSHKIN, V.I., red.;
SKYORTSOV, I.M., tekhn.red.

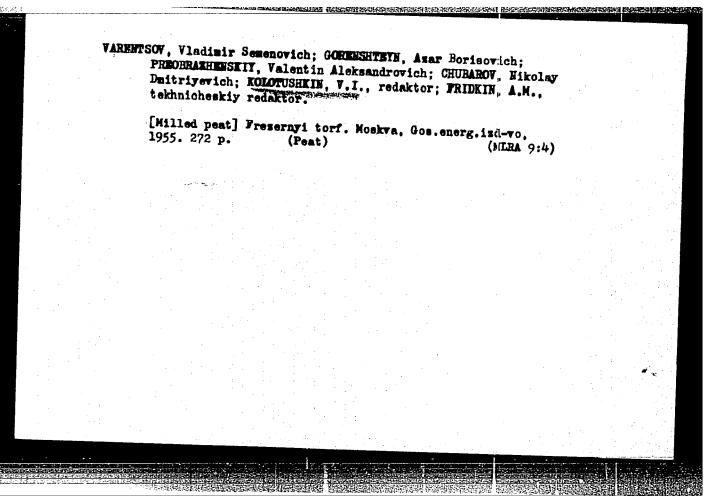
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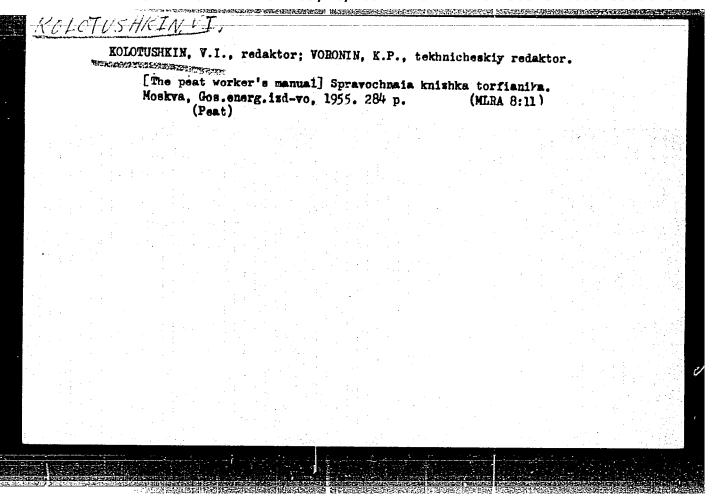


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[Organization of fuel depots] Organizatsiia toplivnykh skladov.

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(Fuel-Storage) (MIRA 11:7)



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[Concise manual on peat winning and the technology of briquetting]
Kratkoe rukovodstvo po dobyche torfa i tekhnologii britetirovaniia.
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KOLOTUSEKUR. V.L., redaktor; MEDVEDBV, L.Ta., telhnicheskiy

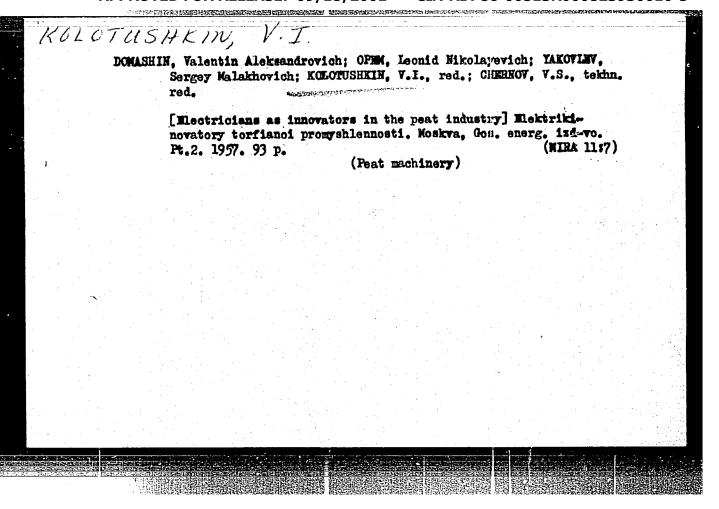
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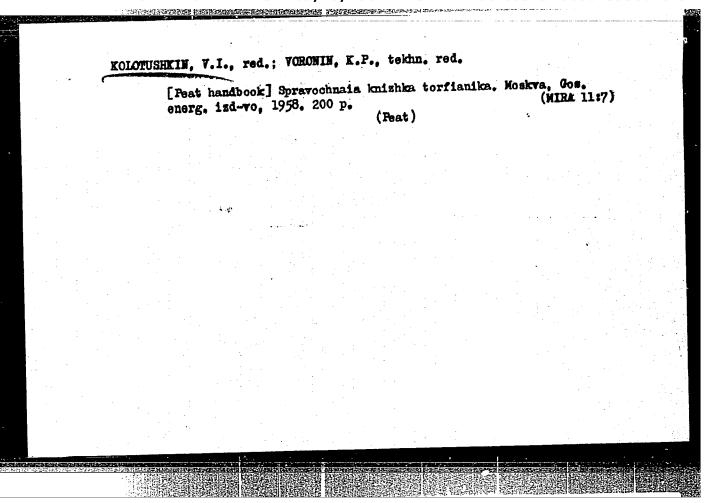
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[Atlas of plant residues encountered in peat] Atlas rastitel'nykh ostatkov, vstrechaenykh v torfe. Fod red. S.N.
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(Peat)

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[Results and main trends of research on the cutting method of peat winning; materials of an industry-wide scientific and technical conference] Itogi i osnovnye napravleniia nauchno-issledovatel skikh rabot po frezernomu sposobu dobychi torfa; materialy otraslevogo nauchno-tekhnicheskogo soveshchaniia. Pod obshchei red. N.D.Chubarova, S.S.Korchunova i I.D.Sokolova. Moskva, Gos.energ.izd-vo. 1959. 253 p. (MIRA 13:8)

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[Theoretical principles of the production of granulated peat fuel to be used as a source of power, gas, and chemicals]
Teoreticheskie osnovy i protsess polucheniia melkokuskovogo
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IVANOV, Yu.I., kand. tekhn. nauk; KOLOTUSHKIN, V.I., red.; BORUNOV, N.I., tekhn. red.

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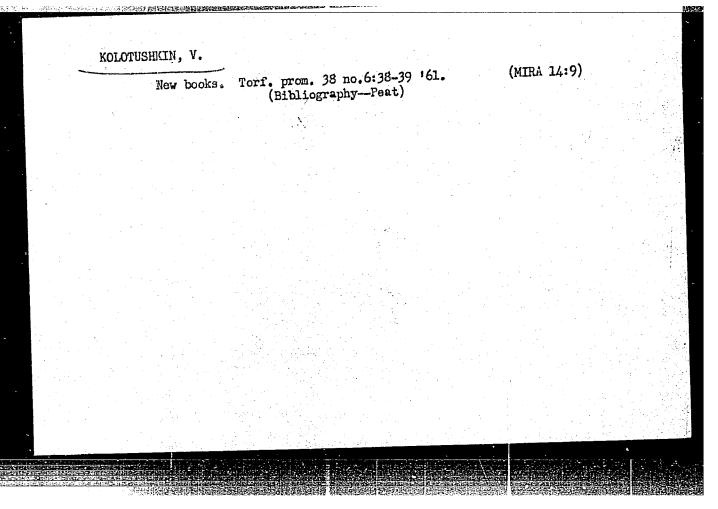
1. Leningrad. Vsesoyuznyy nauchno-issledovatel skiy institut torfyanoy promyshlennosti.
(Peat machinery)

PANKRATOV, N.S., kand. tekhn. nauk; POKAMESTOV, V.V.; LUK'YANOV, A.D.; CAVRILOV, Yu.M.; IVANOV, Yu.I.; KONDRASHOV, A.S.; MAYEVSKAYA, K.T.; MALKOV, L.M.; FOMIN, V.K.; KOLOTUSHKIN, V.I., red.; LARIONOV, G.Ye., tekhn. red.

[New equipment and technology of peat-bog preparation and the winning of granulated peat] Novaia tekhnika i tekhnologiia bolotno-podgotovitel nykh rabot i dobychi granulirovannogo torfa. Moskva, Gos. energ. izd-vo, 1961. 86 p. (MIRA 15:2)

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(Peat bogs) (Peat machinery)



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(Feat machinery)

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[Investigating the process of radiation-convective drying of granulated and lump peat] Issledovanie protsessa radiatsionno-konvektivnoi sushki granulirovannogo i kuskovogo torfa. Moskva, konvektivnoi sushki granulirovannogo i kuskovogo torfa. Moskva, Gosenergoizdat, 1961. 215 p. (Leningrad. Vsesoiuznyi nauchno-issledovatel'skii institut torfianoi promyshlennosti. Moskovskii filial. Trudy, no.1).

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RODOV, A.B.; TIKHONOV, A.I.; KIBRIK, P.S., red.; MAYZEL', Yu.A., red.; KOLOTUSHKIN, V.I., red.; EORUNOV, N.I., tekhn.red.

[Heat control and measurement instruments and automatic regulators of the boiler feeders of B-4000 railroad car mounted power plants and their maintenance] Teplovye kontrol no-izmeritel nye pribory i avtoraticheskie reguliatory pitaniia kotlov energopoezdov B-4000 i ikh obsluzhivanie. Moskva, Gosenergoizdat, 1962. 83 p. (MIRA 15:10)

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GORENSHTEYN, Azar Borisovich, kand. tekhn. nauk; LAVROV, A'eksardr Petro ich, inzh.; KHUDSKIY, Nikolay Nikolayevich, inzh.; CHUBAROV, Nikolay Dmitriyevich, inzh.; KOLOTUSHKIN, V.I., red.

> [Handbook for using the BPF pneumatic cutter-loaders] Rukovodstvo po ekspluatatsii pnevmaticheskikh kombainov BPF. [By] A.B.Gorenshtein i dr. Moskva, Izd-vo "Energiia," 1964. 183 p. (MIRA 17:8)

GORBUTOVICH, G.D., red.; OPEYKO, F.A., red.; RAKOVSKIY, V.Ye., red.; SELITRENNIKOV, A.I., red.; SHIMANSKIY, V.S., red. KOLOTUSHKIN, V.I., red.

[Overall utilization of peat] Kompleksnoe ispol'zovanie torfa. Moskva, Nedra, 1965. 287 p. (MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel skiy institut torfa.

KOLOTUSHKIN, V.I., red.

[Methods of determining the level of mechanization of industrial processes in the peat industry] Metodika opredeleniia urovnia mekhanizatsii proizvodstvennykh protsessov v torfianoi promyshlennosti. Moskva, Nedra 1964. 114 p. (MIRA 18:5)

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TKACHENKO, Sergey Dmitriyevich; KURCHATOV, Vladimir Ivanovich; KOLOTUSHKIN, Nikolay Mikhaylovich; SVET, Ye.B., red.; KOLBICHEV, V.I., tekim. red.

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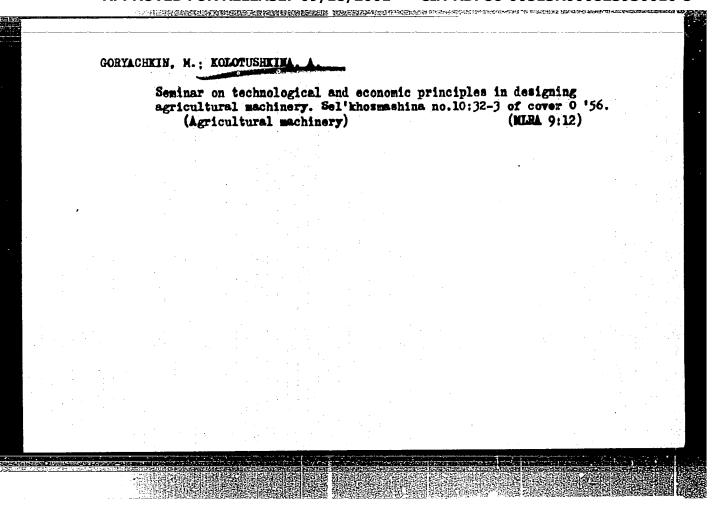
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izd-vo, 1961. 12 p. (MIRA 15:12)
(Drilling and boring machinery)

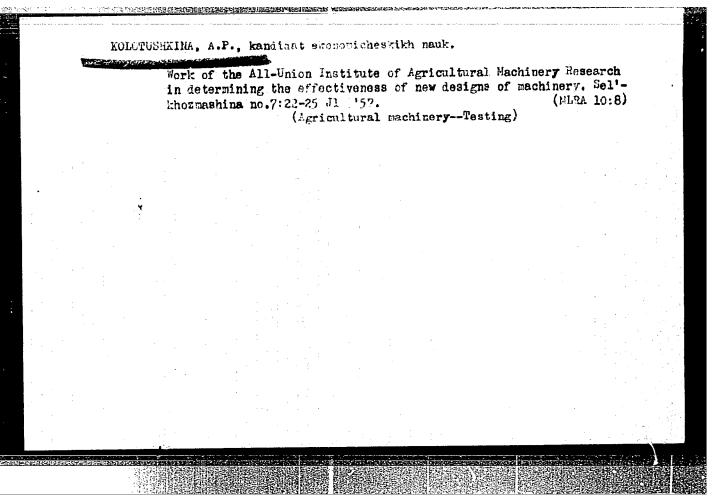
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VASIL'YEV, V.G.; YEROFEYEV, N.S.; ANIKEYEVA, I.B.; YELIN, N.D.;
YELOVNIKOV, S.I.; KOLOTUSHKIMA E.; L'VOV, M.S.;
MATVIYEVSKAYA, N.D.; MIRONCHEV, Yu.P.; MODELEVSKIY, M.Sh.;
MURATOVA, A.T.; MUSTAFINOV, R.A.; ROZHKOV, E.L.; SNEGIREVA,
O.V.; STAROSEL'SKIY, V.I.; SYTNIK, N.A.; NEVEL'SHTEYN, V.I.,
ved. red.; YASHCHURZHINSKAYA, A.B., tekhn. red.

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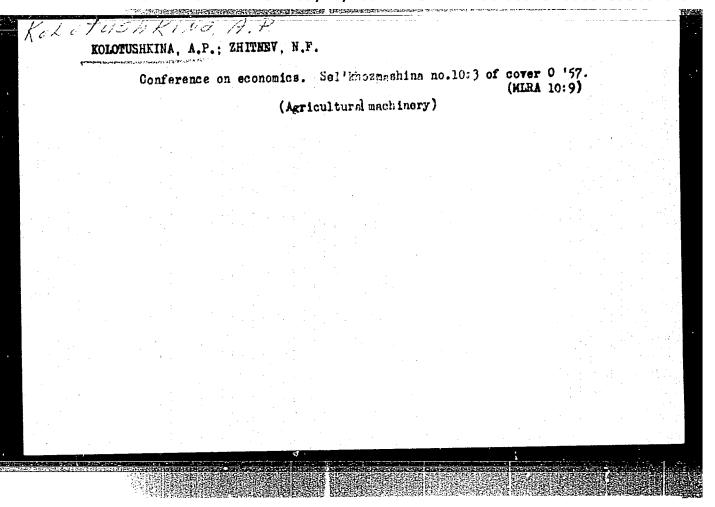
[Prospecting for gas fields in the U.S.S.R. during four years of the seven-year plant] Poiski i razvedka gazovykh mestorozhdenii v SSSR za chetyre goda semiletki. Leningrad, Gostoptekhizdat, 1963. 171 p. (MIRA 16:8) (Gas, Natural—Geology)





The role of mechanization in agriculture. Sel'khozmashina no.10:9-11 0 '57. (NLRA 10:9)

1. Vsescyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya. (Agricultural machinery)



VOLKOV, Yu.I., inzh.; GAFANOVICH, A.A., kand.tekhn.nauk; GLADKOV, N.G., kand.sel'skokhoz.nauk; GORKUSHA, A.Ye., agr.; ZHITNEV, N.F., inzh.; ZANIN, A.V., kand.tekhn.nauk; ZAUSHITSYN, V.Ye., kand.tekhn.nauk; ZVOLINSKIY, N.P.; ZEL TSKRMAN, I.M., kand. tekhn.nauk; KAIPOV, A.N., kand.tekhn.nauk; KASPAROVA, S.A., kand.sel'skokhoz.nauk; KOLOTUSHKINA, A.P., kend.ekon.nauk; KRUGLYAKOV, A.M., inzh.; KURNIKOV, I.I., inzh.; LAVRENT YEV, L.N., inzh.; LEBEDEV, B.M., kand.tekhn.nauk; LEVITIN, Yu.I., inzh.; MAKHLIN, Ye.A., inzh.; NIKOLAYEV, G.S., inzh.; POLESHCHENKO, P.V., kand.tekhn.nauk; POLUNOCHEV, I.M., agr.; P'YANKOV, I.P., kend.sel'skokhoz.nauk; RABINOVICH, I.P., kend.tekhn.nauk; SOKOLOV, A.F., kand.sel'skokhoz.nauk; STISHKOVSKIY, A.A., inzh.; TURBIN, B.G., kand.tekhn.neuk; CHARAN, I.V., ingh.; CHAPKEVICH, A.A., kand.tekhn.nauk; CHERNOV, G.G., kand.tekhn.nauk; SHMKLEV, B.M., kand. tekhn.nauk; KRASNICHENKO, A.V., inzh., red.; KLETSKIN, M.I., inzh., red.; MOLYUKOV, G.A., inzh., red.; BLAGOSKLONOVA, N.Yu., inzh., red.; UVAROVA, A.F., tekhn.red.

[Reference book for the designer of agricultural machinery in two volumes] Sprayochnik konstruktora sel'skokhoziaistvennykh mashin v dvukh tomakh. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.

lit-ry. Vol.1. 1960. 655 p. (MIRA 13:11)

(Agricultural machinery-Design and construction)

ZHITNEV, N.F., inzh., red.; KOLOTUSHKINA, A.P., kand. ekonom. nauk, red.; GORYACHKIN, M.I., kand. ekon. nauk, retsenzent; FAL'KO, O.S., inzh., red.; TIKHANOV, A.Ya., tekhn. red.

[Economic effectiveness of the agricultural machinery] Ekonomicheskaia effektivnost' novykh sel'skokhoziaistvennykh mashin; metodika i normativno-spravochnye materialy. Moskva, Gos. nauchnotekhn. izd-vo mashinostroit. lit-r, 1961. 314 p. (MIRA 15:1) (Agricultural machinery)

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APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000823930010-5"

NIKOLAYEVA, V.G.; DUKHNINA, A.Ya.; KOMAROV, B.I.; LEVINSON, G.I.; Prinimali uchastiye: KOLOTUSHKINA, Ye.V., inzh.; BORISKINA, N.A.

Investigation of the anticorrosive additives to residual fuels containing vanadium and sulfur. Khim. i tekh. topl. i masel. 6 no.10:17-22 0 '61. (MIRA 14:11)

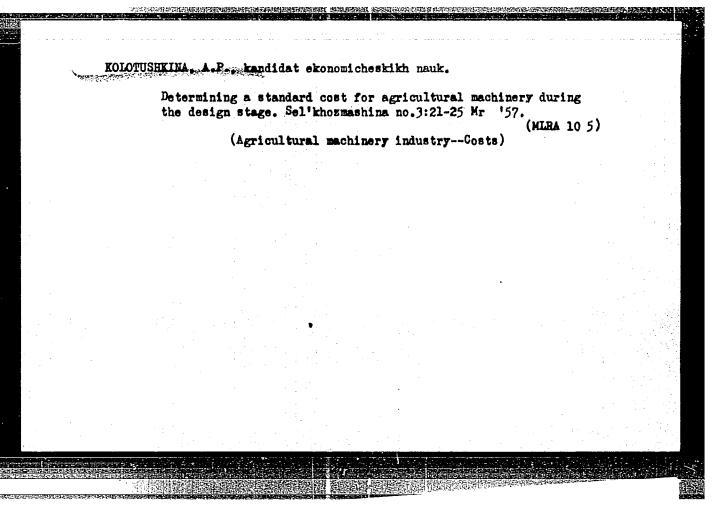
1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.

(Fuel-Additives) (Corrosion and anticorrosives)

),

SOURCE CODE: UR/0065/66/000/003/0054/0057 ENT(m)/ENA(d)/T/ENT(t) AUTHOR: Nikolayeva, V. G.; Komarov, B. I.; Kolotushkina, Ye. V.; Medvedev, 6 63 B TITLE: High temperature corrosion of metals during combustion of distilled gas-tur-Ostroushchenko, M. S. ORG: none SOURCE: Khimiya i tekhnologiya topliv i masel, no. 3, 1966, 54-57 TOPIC TAGS: corrosion, solid mechanical property, gas turbine fuel, turbine engine bine fuels ABSTRACT: The effect of sulfur content (0.3-2.4%) in vacuum distillation residue and nublikati: The effect of suffur content (0.3-2.46) in vacuum distillation residue and diesel oil fuels on corrosion of gas-turbine metal blades was investigated in the 650-285000 paner using a laboratory reals combustion unit. eleser of range using a laboratory scale combustion unit. The test duration was 100 hrs.

The compasion of steel and allow blades in a gas arroam during confustion of the them. The corrosion of steel and alloy blades in a gas stream during combustion of the them allow corrosion of steel and alloy blades in a gas stream of the corrosion of steel and alloy blades in a gas stream of the case of all catalutic consists distributed in charming figure 1. The corrosion or steel and alloy blades in a gas stream during compustion of the cases of all catalytic cracking distillates is shown in figure 1. It was foundain the cases of EI-508 pickel based and EI-508 pickel based an at catalytic cracking distillates is snown in rigure 1. It was round in the cases of EI-598 nickel-based and EI-607 alloy steels and high-chronium EI-417 steel that the blade correction remains in a cost house a full hour limits for a wide range of sulfun. EI-598 nickel-based and EI-697 alloy steels and nigh-chromium Li-417 steel that the blade corrosion remains in 0.026 0.065 g/m² hour limits for a wide range of sulfur blade corrosion remains in 0.026 0.065 g/m² hour limits for a wide range of sulfur blade corrosion remains in 0.026 0.065 g/m² hour limits for a wide range of sulfur blade corrosion remains in 0.026 0.065 g/m² hour limits for a wide range of sulfur blade corrosion remains in 0.026 0.065 g/m² hour limits for a wide range of sulfur blade corrosion remains in 0.026 0.065 g/m² hour limits for a wide range of sulfur blade corrosion remains in 0.026 0.065 g/m² hour limits for a wide range of sulfur blade corrosion remains in 0.026 0.065 g/m² hour limits for a wide range of sulfur blade corrosion remains in 0.026 0.065 g/m² hour limits for a wide range of sulfur blade corrosion remains in 0.026 0.065 g/m² hour limits for a wide range of sulfur blade corrosion remains in 0.026 0.065 g/m² hour limits for a wide range of sulfur blade corrosion remains in 0.026 0.065 g/m² hour limits for a wide range of sulfur blade corrosion remains in 0.026 0.065 g/m² hour limits for a wide range of sulfur blade corrosion remains in 0.000 0.000 p/m² hour limits for a wide range of sulfur blade corrosion remains in 0.000 p/m² hour limits for a wide range of sulfur blade corrosion remains in 0.000 p/m² hour limits for a wide range of sulfur blade corrosion remains a wide rang place corrosion remains in 0.025-0.005 g/m-enour limits for a wide range of bullur content in vacuum, residue fuels. For diesel oils the material loss remained within content in vacuum. residue rueis. For fuels containing 2.4% S and 0.007% ash, the in-0.038-0.073 g/m²-hour limits. For fuels containing 2.4% S Card 1/2 Cara CIA-RDP86-00513R00082393001 09/18/2001



5/081/61/000/018/022/027 B101/B147

11.0132 AUTHORS:

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: :

Bespolov, I. Ye., Pletneva, O. V., Kolotushkina, Ye. V.,

Belyayeva, G. P., Malysheva, M. S.

Corrosiveness of fuels produced from sulfurous petroleums

TITLE:

Referativnyy zhurnal. Khimiya, no. 18, 1961, 439, abstract

PERIODICAL:

18M187 (Sb. "Khimiya seraorgan. soyedineniy, soderzhashchikhsya v neftyakh i nefteproduktakh", M.,

AN SSSR, 1959, 276 - 283)

TEXT: The corrosiveness of the fuels TC-1 (TS-1) and T-2 (T-2) was examined. They contained 0.002 - 0.05% of mercaptan sulfur. It was found that the corrosion of copper and bronze 86-24 (VB-24) in fuels obtained from sulfurous petroleums is chiefly due to the presence of mercaptans. Fuels containing no mercaptans hardly corrode these metals. The presence of elementary sulfur of up to 0.002% in mercaptan-containing TS-1 fuel, while not increasing the corrosiveness of the latter toward VB-24 bronze, increases it markedly toward copper. T-2 fuel, which has a wide fractional composition, corrodes copper more strongly than does TS-1 fuel.

Card 1/2

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Corrosiveness of fuels...

This is explained by the considerably higher corrosiveness of low-molecular mercaptans contained in the $60-130^{\circ}\mathrm{C}$ fraction of T-2 fuel. The principal cause of the formation of gelatinous deposits on cadmium-plated parts in the fuels concerned is the moistening of the latter in the presence of mercaptan sulfur. On an increase of the content of the latter to 0.01% in the fuel, the amount of deposits increases significantly. Chromate passivation of cadmium-plated parts raises their resistance to the corrosive action of mercaptans, and altogether prevents deposits from forming in TS-1 and T-2 fuels containing 0.01% of mercaptan sulfur. As cadmium-plated parts of fuel pumps are most responsive to the action of mercaptans, the content of mercaptan sulfur in TS-1 and T-2 fuels should be 0.01%. [Abstracter's note: Complete translation.]

Card 2/2

Deposit formation on the cadmium-plated parts of fuel pumps under the action of mercaptana contained in jet fuels. Khim.sera-1 scotorg. sqed.sod.v neft.i nefteprod. 3:475-481 *60. (MIRA 14:6) 1. Vsesoyuznyy nauchno-issledovatel*skiy institut po pererabotke nefti i gaza i polucheniyu iskusatvennogo zhidkogo topliva. (Jet planes—Fuel) (Corrosion and anticorrosives) (Thiola)

KOLOTUSHKINOVA, A.

"Task of mechanization in accialist agriculture. Tr. from the Russian."
p. 9 (Zemelske Stroje, Vol. 3, no. 1, Jan. 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9, September 1958

MROCHKOV, K.A., kand.tekhn.nauk; GUSKV, A.I., inzh.; KOLOTVIM, B.F., inzh.

Research on establishing optimum conditions for the processing of whale blubber in the vacuum apparatus line of the "Slava" whaling.base.

Trudy WHRO 35:231-246 '58. (MIRA 11:11)

(Rendering apparatus) (Whale oil)

6(4)

PHASE I BOOK EXPLOITATION

sov/3146

Kolotygin, Igor' Nikolayevich

Perenosnyy magnitofon (Portable Tape Recorder) Moscow, Gosenergoizdat, 1958. 23 p. (Series: Massovaya radiobiblioteka, vyp. 314) 50,000 copies printed.

Ed.: F. I. Tarasov; Tech. Ed.: G. Ye. Larionov; Editorial Commission:
A. I. Berg, F. I. Burdeynyy, V. A. Burlyand, V. I. Vaneyev,
Ye. N. Genishta, I. S. Dzhigit, A. M. Kanayeva, E. T. Krenkel'.
A. A. Kulikovskiy, A. D. Smirnov, F. I. Tarasov, and V. I. Shemshur.

PURPOSE: The booklet is intended for radio amateurs interested in constructing a tape recorder.

COVERAGE: The booklet describes a home-built portable tape recorder weighing about 6 kilograms. The recorder is designed for double sound-track recording at a speed of 9.6 per sec. No personalities are mentioned. There are no references.

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APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000823930010-5"

L 16793-63 EPR/EFF(c)/EWP(q)/EWT(m)/BDS AFFTC/ASD Ps-L/Pr-L JD/WH/K
ACCESSION NR: AP3007234 S/0020/63/152/001/0088/0091
AUTHOR: Fateyeva, N. S.; Vereshchagin, L. F., Corresponding member,
AN SSSR; Koloty*gin, V. S.

TITLE: Optical method of determining the melting point of graphite as a function of pressure up to 3000 atm

SOURCE: AN SSSR. Doklady*, v. 152, no. 1, 1963, 88-91

TOPIC TAGS: graphite melting point, graphite melting pressure dependence, graphite melting pressure, graphite

ABSTRACT: Pressure dependence of the melting point of graphite was determined at pressures up to 3000 atm. The experiment was carried out to obtain quantitative data by an exact method of automatic photoelectric recording. A graphite specimen in the form of a 10-mm rod, 1.5 mm in diameter, with a 0.8-mm neck in the middle, was heated up to melting point by increasing electric current to over 40 amp within a couple of seconds. The specimen was fixed across the longitudinal axis of a cylindrical pressure

Card 1/3

L 16793-63 ACCESSION NR: AP3007234

.1 2/3

chamber. One end of the chamber was arranged for visual observation; the other end contained an optical focussing system. After emerging from the focussing system of the chamber, the light beam from the heated specimen was made to pass alternately through two interference filters which separated bands of the order of 2 multi from the continuous emission spectrum to be projected upon the slit of the FEU-22 photomultiplier. Gray filters in the same path were required to compensate for increased luminosity of the specimen when heated at rising pressures. A 29-mm cylindrical quartz rod, 7 mm in diameter, was inserted between the specimen; and the focussing lens to eliminate the effects of dispersion and the fluctuations due to convection flows. The distance between the specimen and the face of the quartz rod was 2 mm and the focal length of the lens was 33 mm. The image at the slit of the photomultiplier was enlarged 20 times. The output of the multiplier after amplification was recorded on a MPO-2 tape oscillograph. Measurements showed that the melting temperature of graphite increases slowly with increasing pressure from 4650K at atmospheric pressure to 4750K at 3000 atm. "The authors express their deep appreciation to Academician I. V. Obreimov and Professor D. Ya.

L 16793-63
ACCESSION NR: AP3007234

Svet for their valuable assistance in the investigations. G. V. Shcheglakov took part in the work." Orig. art. has: 3 figures...

ASSOCIATION: Institut fiziki vy*sokikh davleniy, Akadenii nauk SSSR (Institute of Physics of High Pressures, Academy of Sciences SSSR); Moskovskiy gosudarstvenny*y universitet im. M. V. Lomonosova (Moscow State University)

SUBMITTED: 09Apr63 DATE ACQ: 30Sep63 ENCL: 00

SUB CODE: PH NO REF SOV: 003 OTHER: 002

FATEYEVA, N.S.; VERESHCHAGIN, L.F.; KOLOTYGIN, V.S.

Optical method for determining the melting point of graphite as dependent on pressure up to 40,000 atm. Dokl. AN SSSR 152 no.2:317-319 S 163. (MIRA 16:11)

1. Institut fiziki vysokikh davleniy AN SSSR i Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova. 2. Chlenkorrespondent AN SSSR (for Vereshchagin).

	Miniature tube low frequency amplifier. Radio no.10:46 '56.
; · · · .	(Amplifiers, Electron-tube)

KOLOTYGIN, Yevgeniy Sergeyevich, inzh.; MAMONTOV, Vyacheslav Ivanovich

Transistorized three-phase RC generator. Izv. vys. ucheb. zav.;
elektromekh. 6 no.9:1118-1122 '63.

1. Nachal'nik laboratorii Upravleniya promyshlennosti
priborostroyeniya (for Kolotygin). 2. Vedushchiy inzhener
Upravleniya promyshlennosti priborostroyeniya (for Mamontov).

KOROLEV, P.A.; KOLOTYGINA, A.P.

Clinical and epidemiological data on Q fever in Crimea. Zhur.mikro-biol.epid. i immun. 27 no.7:10-15 Jy '56. (MLRA 9:9)

1. Iz kliniki infektsionnykh bolezney Krymskogo meditsinskogo instituta imeni Stalina i Oblastnoy sanitarno-spidemiologicheskoy stantsii.

(Q FEVER, epidemiol. in Russia, Crimea)

Serodiagnosis of typhus [with summary in English]. Vop. virus
3 no.2:90-92 Mr-Ap '58

1. Virusno-rikketsiosnaya laboratoriya Krymskoy oblastnoy
sanitarno-spidentiologicheskoy stantsii, Sinferopol'.

(TIPHUS, diagnosis
serodiag., technic & results (Rus))

Problems for the further improvement in utilizing Moscow's gas industry. Gor. khoz. Mosk. 30 no.7:5-9 J1 '56. (MLRA 9:10) 1. Nachal'nik Upravleniya gazovogo khozyaystva Mosgorispolkoma. (Moscow--Gas manufacture and works) (Moscow--Gas, Natural)

KOLOTYRKIN, I.M.

Gas services of Moscow. Gor.khos.Mosk. 31 no.10:22-25 0 '57.
(MIRA 10:10)

1. Nachal'nik Upravleniya gazovogo khosyayatva Mosgorispolkoma. (Moscow--Gas distribution)

KOLOTYRKIN, I.M.

On the road toward the complete gasification of the capital. Gor. khow. Mosk. 32 no.10:5-6 0 '58. (MIRA 11:11)

1. Nachal'nik Toplivno-energeticheskogo upravleniya Mosgorispolkoma. (Moscow-Gas distribution)

11(3) Koloty KIN, PHASE I BOOK EXPLOITATION SOV/2254

Nauchno-teknicheskoye obshchestvo energeticheskoy promyshlennosti Moskovskoye pravleniye

- Ispol'zovaniye gaza v promyshlennykh pechakh i kotel'nykh ustanovkakh g.
 Moskvy i Moskovskoy oblasti; materialy Moskovskogo nauchno-tekhnicheskogo
 soveshchaniya (Utilization of Gas in Industrial Furnaces and Boiler Units
 in Moscow and Moscow Oblast'; Materials of the Moscow Scientific and
 Technical Conference) Moscow, Gostoptekhizdat, 1959. 227 p. Errata slip
 inserted. 5,000 copies printed.
- Ed.: D. B. Ginzburg, Doctor of Technical Sciences; Exec. Ed.: N. I. Stepanchenko; Tech. Ed.: A. S. Polosina.
- PURPOSE: This collection of articles is intended for specialists engaged in designing and operating gas units of industrial enterprises and electric power plants.
- COVERAGE: The change-over in some industrial enterprises from solid and liquid fuel to natural gas is discussed and further possibilities existing along this line are examined. Advantages of using natural gas as a source of energy are outlined. Different gas burner systems, devices for automatic control of the combustion process, structural features of furnaces operating on natural Card 1/4

Utilization of Gas in Industrial Furnaces (Cont.) SOV/2254

APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000823930010-5"
gas, gas-supply systems and the introduction of safety measures in the construction and operation of gas units are described. The book contains many diagrams of gas-supply systems and equipment. No personalities are mentioned. One article is followed by references.

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Dikerman, N. I. Practices and Prospects for Using Gas in Ent the Moscow Building Materials Industry Avraemov, G. A. Specific Features of the Utilization of Gase the Electrical Vacuum Industry and the Difference in Methods	erprises of 169 ous Fuel in
Secondary Sources of Heat Dikerman, N. I. Practices and Prospects for Using Gas in Ent the Moscow Building Materials Industry Avrasmov, G. A. Specific Features of the Utilization of Gase the Electrical Vacuum Industry and the Difference in Methods Mamufactured Gas and Natural Gas Bark, S. Ye. Trends in Developing Gas Utilization in Furnace manufacturing Plants	erprises of 169 ous Fuel in of Using 183

KOLOTYRKIN, V.M.; TIRHOMIROV, M.V.; TUNITSKIY, H.H.; SEMENOV, H.H., akademik.

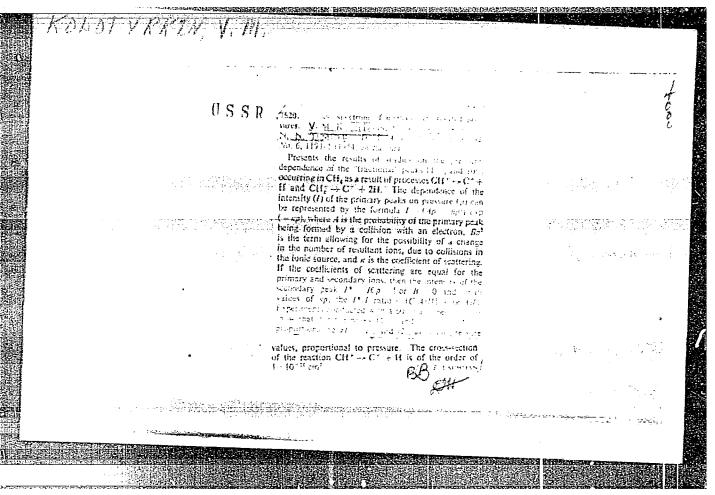
Mass spectrum of methane at increased pressure. Dokl.AH SSSE 92 no.6:1193(MLRA 6:10)

1. Akademiya nauk SSSR (for Semenov). 2. Fisiko-khimichenkiy institut im.
L. Ia. Karpova (for Kolotyrkin, Tikhomirov and Tunitskiy).
(Methane) (Spectrum analysis)

**Molotyrkin, v. H.

"Dissociation of Hydrocarbon Ions in the Mass Spectrometer." Cand Chem Sci, No inst given Moscow, 1954. (RZhKhim, No 8, Apr 55)

So: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).



KOLOTYKKIN, V.M.

USSE/Physics - Physical chemistry

Card 1/2

Fub. 22 - 32/51

Authors : Tikhomirov, M. V.; Kolotyrkin, V. M.; and Tunitskiy, M. M.

Title

About the dissociation of primary ions in a mass-spectrometer

Periodical:

Dok. AN SSSR 101/5, 903-905, Apr 11, 1955

Abstract

The relation between the intensity of "fractional" n-butane peaks and pressure was laveatigated to explain the machanism of primary ion dissociation at greater pressures. It is pointed out that the dissociation at greater pressures. It is pointed out that the dissociation during collision, as in the case of spontaneous decomposition, may depend upon the ion excitation and that the excitation varies depending upon the energy of the ionizing electrons. It was found that the

Institution : Presented by: relative intensity of the "fractional" peaks increases with the electron The A. A. Zhianov State University, Leningrad Academician A. N. Terenin, November 14, 1954

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Card 2/2	Pub. 22 - 32/51.			
Periodical :	Dok. AN SSSR 101/5, 903-905, Apr 11, 1955			
Abstract :	energy this is due to the fact that it	ontaneous decomposition		
	of the ions and their decomposition during of degrees upon the electron energy. Eight ref 2 USA and 1 English (1939-1953). Graph	collisions depend in various ferences: German, 2 USSR,		
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21. 4200 AUTHORS:

Nikolayev, N. I., Kolotyrkin, V. M., Tunitskiy, N. N.

TITLE:

Separation of lithium isotopes on cationites by means of

sharp-edged moving bands

PERIODICAL: Atomnaya energiya, v. 12, no. 5, 1962, 404 - 407

TEXT: The application of the method of F. Spedding, I. Powel, H. Swec (J. Amer. Chem. Soc., 77, 6125 (1955)) to separating the lithium isotopes on a Ky-2 (KU-2) cationite is described. Since neutralization of the H⁺ form of the resin led to a temperature increase and to irreversible adsorption of lithium an NH⁺ buffer band was used. First, 0.2 N NH₄OH was passed through a column with KU-2 in H⁺ form. A 23-cm long NH⁺ band was observed owing to the change in color of the resin. 0.2 N LiOH formed a 33-cm long visible Li⁺ band. The bands were eluated by means of 0.25 N NaOH. The transition of the cationite from the Li⁺ to the Na⁺ form is not visible to change in color). For calculating the separation factor the authors

Card 1/2

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L2187 S/076/62/036/011/017/021 B101/B180

5.4110

AUTHORS:

Kolotyrkin, V. M., and Nikolayev, N. I.

TITLE:

Distribution of lithium isotopes in immiscible solvents

PERIODICAL:

Zhurnal fizicheskoy khimii, v. 36, no. 11, 1962, 2540-2541

TEXT: Lithium chloride was dissolved in mixtures of water and organic solvents. After demixing, the isotope composition was examined by mass spectrometry in both phases, and the α separation coefficient was determined. Results: (1) In acetone-water mixtures, α = 1.027 ± 0.008 was found for the water-saturated LiCl solution. In more dilute solutions (about 1 N LiCl in the aqueous phase), the isotope composition remained unchanged. (2) In the system water-isoamyl alcohol, α was 1.02 for saturated LiCl solution, and 1.032 for 2 N LiCl solution. Li⁶ concentrated in the aqueous phase. (3) In mixtures of diethyl ether and LiNO₃ dissolved in concentrated nitric acid, and in mixtures of amyl acetate and LiCl

'in concentrated nitric acid, and in mixtures of amyl acetate and LiCl dissolved in hydrochloric acid, there was no change in the isotope composition. (4) In a mixture of 30% aqueous solution of methyl amine and

Card 1/2

Distribution of lithium isotopes...

S/076/62/036/011/017/021 B101/B180

isoamyl alcohol (ratio 1:1), Li⁶ concentrated owing to complex formation with the methyl amine in the organic phase, and α - 1 was 0.017 ± 0.007. When saturated hydrocarbons (petroleum fraction, b.p. 60-90°C) were added to the aqueous phase. There is 1 table.

SUBMITTED:

April 5, 1962

Card 2/2

TUNITSKIY, N.N.; TIKHOMIROV, M.V.; KUPRIYANOV, S.Ye.; KOLOTYRKIN, V.M.; GUR'YEV, M.V.; POTAPOV, V.K.

Studies in the field of mass spectrometry. Probl.fiz.khim. no.1:122-128 '58. (MIRA 15:11)

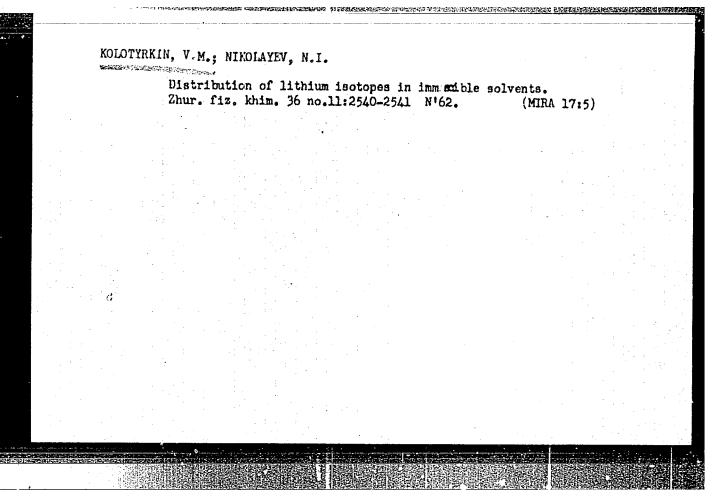
1. Laboratoriya adsorbtsionnykh protsessov Nauchnoissledovatel'skogo fiziko-khimicheskogo instituta im. Karpova.

(Mass spectrometry)

KOLOTYRKIN, V.M.; KUPRIYANOV, S.Ye.

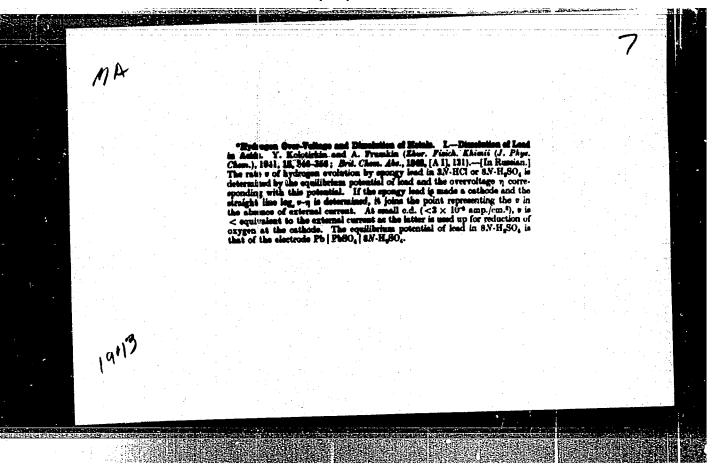
Dissociation of CH[†] and CH₂[†] ions. Zhur. fiz. khim. 37
no.12:2769-2771 D '63. (MIRA 17:1)

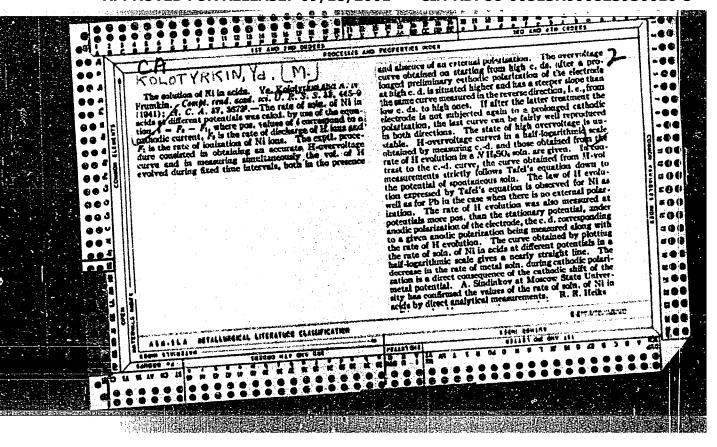
1. Fiziko-khimicheskiy institut imeni L.Ya. Karpova.



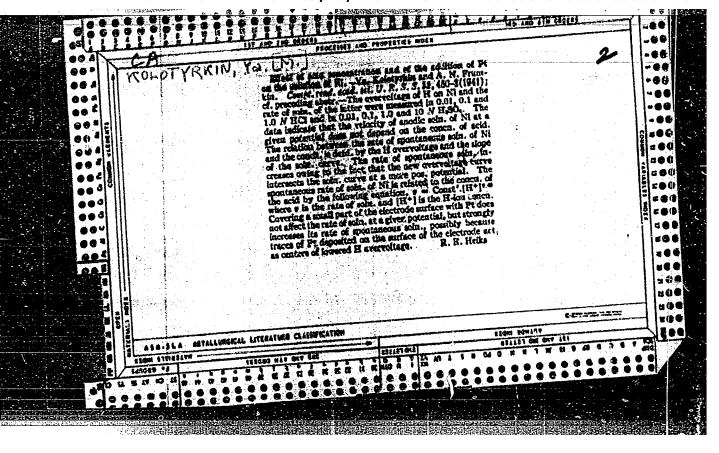
L 8861-66 EMT(1)/EMT(m)/EPF(n)-2/EMP(J)/T/EMA(h)/ETC(m)/EMA(1) IJP(c) WW/GO/RM
ACC NR: AP5025967 SOURCE CODE: UR/0190/65/007/010/1802/1806
AUTHOR: Tsapuk, A. K.; Kolotyrkin, V. M.
 ORG: Physical Chemical Institute im. L. Ya. Karpov (Fiziko- Khimicheskiy institut)
TITLE: Polymerization of silicone oil on an electron irradiated solid surface
SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 10, 1965, 1802-1806
TOPIC TAGS: silicone, plastic coating, polymerization, polymerization kinetics, radiation polymerization, polymer structure, dielectric property, dielectric strength, dielectric permeability
ABSTRACT: The formation of polymeric films on electron irradiated stainless steel and sodium chloride surfaces in an atmosphere of silicone oil was investigated. The following kinetic relationships were determined in polymerizing films from VKZh-9µB silicone oil onto stain-
less steel: film deposition increased linearly at about 0.3 angstroms/ sec with irradiation time; varying electron energies from 200-600 ev had no effect on film deposition; initial increase in vapor pressure
Card 1/2 UDC: 66.(195.26+678.8)4

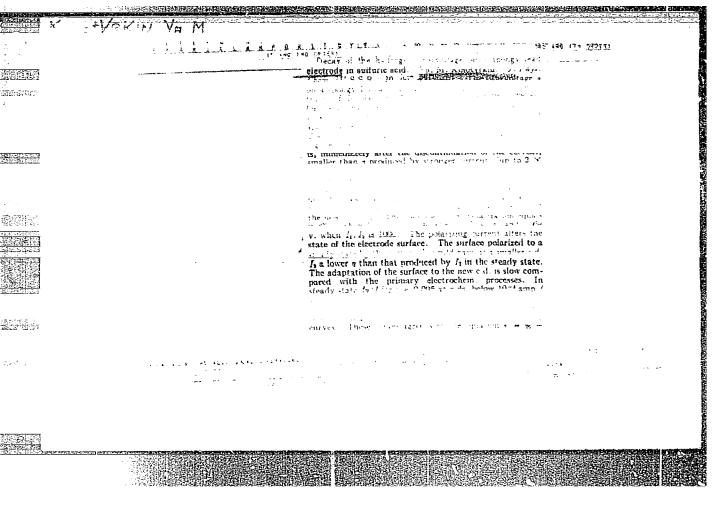
	crystal spectra.	substret The d	tes are	discu	ssed, e	specially	med on stee.	l and or their I	n salt R		
spectra. The dielectric properties of the films- tric strength, dielectric constant and dielectric evaluated. "The authors thank V. P. Bazov for ob and assisting in their interpretation. In conclu						ctric loss i	loss tangent were				
- -	Funitako	for dia	cussion	interp	orecati	on. In c	onclusion we Art. has:	thank 4 figur	thank <u>N. N.</u> 4 figures.		
1	SUB CODE:	OC, (ic, MT/	SUBM	DATE:	25No464/	ORIG REF:	002/	OTH		
K	VK ard 2/2										





"APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000823930010-5





KOLOTYRKIN, Ya. [M-

PA 18T96

USSR/Chemistry - Electrochemistry Chemistry - Electrodes Kay 1947

"The Hydrogen Overvoltage on the Lead Electrode and the Stationary Solution Potential of Lead in Sulphuric Acid," Ya. Kolotyrkin, N. Bune, Physical-Chemical Institute, imeni L. Ya. Karpov, Mosqow, 7 pp

"Zhur Fiz Khim" Vol XXI, No 5-19-181-7

Discusses results and states as one of its conclusions the fact that over a long period of time two separate areas of polarization occur on the lead electrode, one of excess voltage and one of heavy current.

Tabulated values for each. Published 23 May 1946.

18196

KOLOTYRK	IN, Ya	i ii.					P/	1941	19
	÷		case where stationary potentials of metals of or and Zn in acid solns are established where acid anions and metal ions form difficultly sealt.	overvoltage of processes of ionization of metal atoms and of discharge of H ions under const are arrived acid conces, for metals of type of Pb and Tarried acid conces, for metals of type of Pb and Tarried acid conces, for metals of type of Pb and Tarried acid concessions.	USSR/Chemistry solution of Massu	potentials of spontaneously dissolving metals potentials of spontaneously dissolving metals and ye (strongly polarized, with low H overlange) and Pb and Zn (weakly polarized, with high H overvoltage) in acid solms. Derived and waiffied by expt dependence of stationary potentials for metals of type of Hi and Fe on conststation for the polarized and the contents of the polarized polarized and the polarized by anything the polarized and the po	"Thur Fiz Khim" vol XXV, No 10, 39 1288-1257	"Minimary Potentials of Spontaneously Dissolvents Westels in Acid Schutlons," Is. M. Ecolopyrkis	UMER/Chemistry - Scintion of Meal Storage Batteries
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			potentials of metals of a poline are established when lone form difficultly sol	der const and per constant and per	2	metals me	248-1257	uly Dissolv [. Ko]obyrki	8
		. Louis			\$ 2			57	
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